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ATTORNEY'S DOCKET NO. CIS00-3127

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David K. Gifford
Serial No.: 09/472,964
Filing Date: December 28, 1999
For: REPLICA ROUTING
Examiner: Patru, D.
Art Unit: 2756

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TRANSMITTAL LETTER

Commissioner for Patents
Washington, DC 20231

Sir:

In connection with the above-identified pending patent application, enclosed herewith are the following:

- [x] Transmittal Letter, (in duplicate), Total pages: 4;
- [x] Information Disclosure Statement Papers:
 - [x] Information Disclosure Statement: 3 Pages;
 - [x] PTO Form 1449: 4 Pages;
 - [x] 66 Enclosed References;
- [x] Return Receipt Postage Pre-paid Postcard (in duplicate),
Total postcards: 2;
- [x] Authorization to charge deposit account (below), if required;

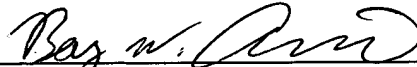
-2-

If any fees are required for this submission, they may be charged to the account of the undersigned, U.S.P.T.O. Deposit Account No. 50-0901.

If the enclosed papers are considered incomplete or fees are required for this submission, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned collect at (508) 366-9600 in Westborough, Massachusetts.

Respectfully submitted,

CHAPIN & HUANG, L.L.C.



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Attorney Docket No.: CIS00-3127

Dated: December 4, 2002



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Signature: *Sandra L. Kopacz*

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or
(If IDS filed as first/second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or
(If IDS Filed within three months of filing national application; or date of entry of the national stage in international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either:

-2-

- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(If filed after the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a Petition under 37 CFR 1.97(d)(2), and
- ☐ a \$130.00 petition fee set forth in 37 CFR 1.17(i).
(If IDS filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)
- ☐ Applicant requests that the attached IDS and cited reference(s) _____ be placed in the application filewrapper. (If IDS filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- ☒ Copies of the cited references are enclosed.
- ☐ Copies of cited references are enclosed except those entered in a prior application, having U.S. Serial No. _____, and references that are not required to be submitted under 37 CFR 1.98.
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

-3-

Concise Explanation Requirement (required for non-English references):

- ☐ The "concise explanation" requirement for reference(s)
_____ under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
 - ☐ the explanation provided in the Specification.
 - ☐ submission of the enclosed International Search Report.
 - ☐ the enclosed English language abstract.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☒ No fee is required for this Information Disclosure Statement.
- ☐ Enclosed is a check in the amount of \$ _____.
- ☐ A copy of this Statement is enclosed.

If a fee is required for this IDS, or if the enclosed fee is not sufficient, the Patent Office is hereby granted permission to charge Deposit Account No. 50-0901 (Chapin & Huang, L.L.C.) for any additional fees required for this IDS.

Respectfully submitted,

CHAPIN & HUANG, L.L.C.

By 
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Attorney Docket No.: CIS00-3127

Dated: December 4, 2002

PTO-1449 REPRODUCED

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

(Use several sheets if necessary)

ATTORNEY DOCKET NO.

CIS00-3127

APPLICATION SERIAL NO.

09/472,964

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APPLICANT

David K. Gifford

DEC 19 2002

FILING DATE

December 28, 1999

GROUP

2756

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U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE mm/dd/yy	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	4,987,587	01/22/91	Jolissaint	379	94	07/26/89
	AB	5,088,032	02/11/92	Bosack	395	200	01/29/88
	AC	5,345,586	09/06/94	Hamala et al.	395	650	08/25/92
	AD	5,425,090	06/13/95	Orriss	379	201	12/07/93
	AE	5,430,729	07/04/95	Rahnema	270	94.1	04/04/94
	AF	5,463,735	10/31/95	Pascucci et al.	395	200.1	02/03/94
	AG	5,600,794	02/04/97	Callon	395	200.01	08/04/95
	AH	5,664,107	09/02/97	Chatwani et al.	395	200.54	06/06/95
	AI	5,740,549	04/14/98	Reilly et al.	705	14	06/12/95
	AJ	5,774,660	06/30/98	Brendel et al.	395	200.31	08/05/96
	AK	5,812,769	09/22/98	Graber et al.	395	200.12	09/20/95
	AL	5,956,716	09/21/99	Kenner et al.	707	10	06/07/96

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	AM	WO 98/18076	30.04.98	W.I.P.O.	G06F 9	46	
	AN	WO 98/37699	27.08.98	W.I.P.O.	H04N 7	26	
	AO	WO 98/40831	17.09.98	W.I.P.O.	G06F 17	30	
	AP	WO 96/41285	19.12.96	W.I.P.O.	G06F 17	30	

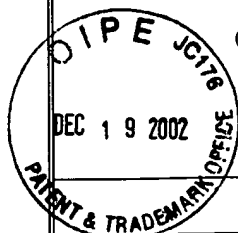
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	Cisco Systems, Inc.; "How to Cost-Effectively Scale Web Servers"; pp. 1-6, posted November 13, 1996; http://www.cisco.com/warp/public/784/5.html
	AR	Cisco Systems, Inc.; "The Effects of Distributing Load Randomly to Servers"; pp. 1-18, 1997 or earlier; http://www.cisco.com/warp/public/751/distdir/dd_wp.htm
	AS	Cisco Systems, Inc.; "Cisco Distributed Director"; pp. 1-14, posted September 25, 1996; http://www.cisco.com/warp/public/734/distdir/dd_wp.htm

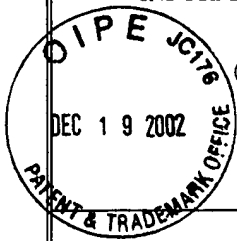
EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. CIS00-3127	APPLICATION SERIAL NO. 09/472,964 RECEIVED
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		APPLICANT David K. Gifford	
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		GROUP 2756	Technology Center 2100
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AT	Wallace, Bob; "Load balancing juggles calls at busy Web sites"; pp. 1-2, March 17, 1997 or earlier; http://www.comuterworld.com/search/AT-html/9611/961111SL46web.html		
AU	Cisco Systems, Inc.; "CiscoAdvantage: Leveraging Intranet and Internet Productivity"; pp. 1-8, posted May 21, 1996; http://www.cisco.com/warp/public/751/advtg/advan_pl.htm		
AV	Gulbransen, A. et al.; "A DNS RR for specifying the location of services (DNS SRV)"; pp. 1-9, February 26, 1997 or earlier; http://www.internic.net/rfc/rfc2052.txt		
AW	Davis, C. et al.; "A Means for Expressing Location Information in the Domain Name System"; pp. 1-16, February 27, 1997 or earlier; http://www.internic.net/rfc/rfc1876.txt		
AX	Erwin, Blane et al.; "Forrester: The Forrester Report"; pp. 2-11, December 1, 1996, Vol. 11, No. 1; http://access.forrester.com/cgi-bi		
AY	Yoshikawa, Chad et al.; "Using Smart Clients to Build Scalable Services"; Unisex Association, 1997 Annual Technical Conference; pp. 105-120; January 6-10, 1997 or earlier		
AZ	Open Market, Inc.; Dr. Watson Product Description, "Software Product Description"; pp. 1-8, January 21, 1997 or earlier; http://www.cavebear.com/dwtnda/spd.html		
BA	Open Market, Inc.; "Frequently Asked Questions About Dr. Watson, The Network Detective's Assistant (DWTNDA) Version 1.2"; pp. 1-9, January 21, 1997 or earlier; http://www.cavebear.com/dwtnda/faq.html		
BB	Paxson, Vern; "End-to-End Routing Behavior in the Internet"; University of California, Berkeley and Lawrence Berkeley National Laboratory, pp. 25-38, 1996; SIGCOMM '96 8/96 0-89791-790-1/96/0008		
BC	Tennenhouse, David L. et al.; "Towards an Active Network Architecture"; ACM Computer Communications Reviewer; April 1996, Vol. 26, No. 2, pp. 5-18		
BD	Chankhunthod, Anawat et al.; "A Hierarchical Internet Object Cache"; pp. 153-163, Usenix Technical Conference, January 22-26, 1996		
BE	Crovella, Mark E. et al.; "Dynamic Server Selection in the Internet"; pp. 1-5, June 30, 1995; Proc. Of the Third IEEE Workshop on the Architecture and Implementation of High Performance Communications Subsystems		
BF	Blaze, Matthew and Alonso, Rafael; "Dynamic Hierarchical Caching in Large-Scale Distributed File Systems"; 0-8186-2865-0/92 IEEE; pp. 521-528; 1992		
BG	Guyton, James D. et al.; "Locating Nearby Copies of Replicated Internet Servers"; Computer Science Dept. University of Colorado; pp. 288-298, 1995; SIGCOMM '95 Cambridge, MA; ACM 0-89791-711-1/95/0008		
BH	Gwertzman, James et al.; "The Case for Geographical Push-Caching"; pp. 1-4, Harvard University; date unknown		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
BI	Baentsch, Michael et al.; "Introducing Application-Level Replication and Naming into Today's Web"; Computer Networks and ISDN Systems 28; pp. 921-930, 1996		
BJ	Deering, Stephen E. et al.; "Multicast Routing in Datagram Internetworks and Extended LANs"; ACM Transactions on Computer Systems, Vol. 8, No. 2, pp. 85-110, May 2, 1990		
BK	Bestravros, Azer; "Speculative Data Dissemination and Service to Reduce Server Load, ..."; Proceedings of ICDE '96, Int. Conf. On Engineering, New Orleans, Louisiana, March 1996		
BL	Bestravros, Azer; "Demand-based Document Dissemination to Reduce Traffic and Balance Load in Distributed Information System"; Proc. Of SPDP '95, 7 th IEEE Symposium, San Antonio, TX, October 1995		
BM	Washburn, K. et al.; "TCP/IP Running a Successful Network"; pp. 1-233, and pp. 368-409, Addison-Wesley Publishing Company; date unknown		
BN	Stevens, W. Richard; "TCP/IP Illustrated"; Vol. 1, pp. 1-21, 33-51, 85-142, 186-208, 222-228; Addison-Wesley Publishing Company; date unknown; The Domain Name System, pp. 186-208, TCP: Trans. Control Protocol, pp. 223-228		
BO	Blaze, Matthew A.; "Caching in Large-Scale Distributed File Systems"; Princeton University Department of Computer Science; Research Report CS-TR-397-92; January 1993; pp. 1-88		
BP	Danzig, Peter B. et al.; "A Case for Caching File Objects Inside Internetworks"; pp. 1-10, 1993; ACM SIGCOM		
BQ	PointCast, Inc.; "PointCast Ships The Industry's First Broadcast Solution for Corporate Intranets"; October 7, 1996; 501 Macara Avenue; Sunnyvale, CA 94086		
BR	PointCast, Inc.; "Configuring Multiple PointCast I-Servers" Technical Paper; March 19, 1997 or earlier; pp. 1-11		
BS	Alsop, Stewart; "PointCast and Its Wannabes"; Fortune; November 25, 1996, pg. 181		
BT	BackWeb Technologies, Inc.; "Put an End to Those Nasty Hit and Runs On Your Website"; 1996		
BU	O'Malley, Sean W. and Peterson, Larry L.; "A Dynamic Network Architecture"; ACM Transactions on Computer Systems, Vol. 10, No. 2, May 1992, pp. 110-143		
BV	Huitema, Christian; "Routing in the Internet"; Prentice Hall PTR, Englewood Cliffs, NJ 07632, pp. 1-60, date unknown		
BW	PointCast, Inc.; "Internal PointCast Network Traffic"; Technical Paper, April 17, 1997 or earlier; pp. 2-11		
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BX	InterVU Network Services; "What We Do"; June 8, 1997 or earlier; http://www.intervu.net/service/doit.html		Technology Center 2100
BY	Netscape; "Netscape Netcenter"; 1998 or earlier; http://www.netscape.com		
BZ	Resonate, Inc.; "Corporate Backgrounder"; pp. 1-10, date unknown; 465 Fairchild Drive, Suite 224, Mountain View, CA 94043		
CA	Resonate, Inc.; "A Case for Intelligent Distributed Server Management"; pp. 1-9, 1996; http://www.resonateinc.com/dsm.htm		
CB	W3C; "Propagation, Caching and Replication on the Web"; 1996; http://www.w3.org/pub/WWW/Propagation		
CC	SQUID; "Frequently Asked Questions"; pp. 1-16, 1996; http://squid.nlanr.net/Squid/FAQ.htm		
CD	Wessels. D.; "Internet Cache Protocol (ICP)", Version 2, pp. 1-7, 1996; http://www.nlanr.net/Cache/ICP/ICP-id.txt		
CE	Internet Middleware Co.; "Cached-3.* Web Cache Datasheet: Beyond Cached-1.4pl2"; pp. 1-2, 1996; http://www.netcache.com/DOC/prod_fram2.html#6		
CF	Survey of caching requirements and specifications for prototype; "Desire: Project Deliverable"; pp. 1-74, 1996; http://www.cc.ruu.nl/~henny/desire/deliveries/del_41.html		
CG	SQUID; "Release Notes - 1.1 .txt", v 1.11; pp. 1-5; http://squid.nlanr.net/Squid/1.1beta/Release-Notes-1.1.txt ; December 5, 1996		
CH	W. Richard Stevens; "IP: Internet Protocol", pp. 33-141, (Date Unknown)		
CI	W. Richard Stevens; "TCP: Transmission Control Protocol"; Chapter 17, pp. 223-228, (Date Unknown)		
CJ	W. Richard Stevens; "DNS: The Domain Name System"; Chapter 14, pp. 187-208, (Date Unknown)		
CK	W. Richard Stevens; TCP/IP Illustrated; Volume 1, "The Protocols", pp. 1-20, (Date Unknown)		
CL	W. Richard Stevens; "Routing IP"; pp. 367-409, (Date Unknown)		
CM	W. Richard Stevens, "Internet Protocol" pp. 191-233, (Date Unknown)		
CN	"Establishing the Network Foundation" pp. 36-89, (Source and Date Unknown)		
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